

## Description of Additional Supplementary Files

**Supplementary Data 1.** Table depicting differential chromatin accessibility in the following pairwise comparisons: VL versus VE, AL versus AE, AE versus VE, and AL versus VL. Significance were determined by Fisher-exact test followed by Benjamini-Hochberg FDR correction.

**Supplementary Data 2.** Table depicting the clustering of differentially accessible ChARs obtained in the comparison VE versus AE and/or VL versus AL (Figure 1e). Relative peak intensity of each ChAR is indicated.

**Supplementary Data 3.** Transcription factor binding motif enrichment using HOMER in clusters identified in Figure 1e and Supplementary Data 2.

**Supplementary Data 4.** Differential gene expression analysis in the comparison VL versus AL depicted in Figure 2a. Significance were determined by Fisher-exact test followed by Benjamini-Hochberg FDR correction.

**Supplementary Data 5.** Table depicting the Log2 fold change of differentially expressed genes (FDR < 0.05) found adjacent to differentially accessible ChARS (Log2 FC <sup>3</sup> 1; FDR < 0.05). ATAC-seq Z-scores of ChARs and their respective distance to an adjacent gene are indicated.

**Supplementary Data 6.** Table depicting TOX-dependent chromatin accessibility changes in the following pairwise comparisons: Tox -/- versus Tox +/+ VL and Tox -/- versus Tox +/+ AL. Significance were determined by Fisher-exact test followed by Benjamini-Hochberg FDR correction.

**Supplementary Data 7.** Table depicting the clustering of TOX-dependent differentially accessible ChARs in VE and/or AE based on their relative peak intensity.

**Supplementary Data 8.** Transcription factor binding motif enrichment using HOMER in clusters identified in Figure 4e and Supplementary Data 7.

**Supplementary Data 9.** Differential gene expression analysis in the comparison Tox -/- versus Tox +/+ AL (3 weeks post-infection), Tox -/- versus Tox +/+ VL (3 weeks post-infection), and Tox -/- versus Tox +/+ VL (9 weeks post-infection). Significance were determined by Fisher-exact test followed by Benjamini-Hochberg FDR correction.

**Supplementary Data 10.** Gene expression changes associated with TCF-1 binding in ATAC-seq clusters identified in Figure 4d and Supplementary Data 7.